

Title (en)

Multiline check valve assembly.

Title (de)

Absperrventilsatz für mehrere Leitungen.

Title (fr)

Ensemble de soupapes de non-retour pour multiples lignes.

Publication

EP 0430398 A2 19910605 (EN)

Application

EP 90308050 A 19900723

Priority

US 44195489 A 19891128

Abstract (en)

A multiline check valve assembly (10) has an elongated body which defines a fluid passageway (44) and which is formed with a plurality of valve cavities (42a,42b,42c) that are in fluid communication with the fluid passageway. Each valve cavity has a resilient valve element (78a,78b,78c) disposed within the cavity and each valve element rests in the cavity with one end against a protrusion (46) disposed in the cavity for centering the element within the cavity. The resilient valve element is biased to urge its other end against a valve seat (96) that surrounds an opening to the valve cavity to create a fluid tight seal with the valve seat and close the opening. In addition, an access port is formed circumferentially around both the valve seat and opening to establish a fluid communication path through the access port to the fluid passageway in the body when the valve element is separated from the valve seat. Specifically, when an appropriate fluid line connector (28,30,32) is inserted into the access port to urge against the resilient valve element, the valve element is deformed away from the valve seat to complete the fluid communication path between the access port and the fluid passageway. <IMAGE>

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

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Cited by

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